

#6
JE

1600

RE-RUN

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/851,871A

DATE: 03/10/2003

TIME: 15:58:04

Input Set : N:\vernette\US09851871A.raw
 Output Set: N:\CRF4\03102003\I851871A.raw

1 <110> APPLICANT: Bennett, Clarence Frank
 2 Vickers, Timothy A.
 3 ISIS PHARMACEUTICALS, INC.
 4 <120> TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
 5 Modulation of the Expression of B7 Protein
 6 <130> FILE REFERENCE: ISPH-0543
 C--> 7 <140> CURRENT APPLICATION NUMBER: US/09/851,871A
 8 <141> CURRENT FILING DATE: 2001-05-09
 9 <150> PRIOR APPLICATION NUMBER: PCT/US00/14471
 10 <151> PRIOR FILING DATE: 2000-05-25
 11 <150> PRIOR APPLICATION NUMBER: 09/326,186
 12 <151> PRIOR FILING DATE: 1999-06-04
 13 <150> PRIOR APPLICATION NUMBER: 08/777,266
 14 <151> PRIOR FILING DATE: 1996-12-31
 15 <160> NUMBER OF SEQ ID NOS: 224
 16 <170> SOFTWARE: PatentIn Ver. 2.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 32
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Synthetic
 24 <400> SEQUENCE: 1
 25 gatcagggta ccaggagcct taggaggtac gg 32
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 33
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Synthetic
 33 <400> SEQUENCE: 2 33
 34 gatagcctcg agttatttcc aggtcatgag cca
 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 20
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: Synthetic
 42 <400> SEQUENCE: 3 20
 43 ttccagggtca tgagccatta
 45 <210> SEQ ID NO: 4
 46 <211> LENGTH: 21
 47 <212> TYPE: DNA

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/851,871A

DATE: 03/10/2003

TIME: 15:58:04

Input Set : N:\vernette\US09851871A.raw

Output Set: N:\CRF4\03102003\I851871A.raw

```

48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Synthetic
51 <400> SEQUENCE: 4
52      cataaggtgt gctctgaagt g
54 <210> SEQ ID NO: 5
55 <211> LENGTH: 20
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Synthetic
60 <400> SEQUENCE: 5
61      ttactcatgg taatgtcttt
63 <210> SEQ ID NO: 6
64 <211> LENGTH: 20
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Synthetic
69 <400> SEQUENCE: 6
70      attaaaaaca tgtatcactt
72 <210> SEQ ID NO: 7
73 <211> LENGTH: 21
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic
78 <400> SEQUENCE: 7
79      ggaacacaga agcaaggtgg t
81 <210> SEQ ID NO: 8
82 <211> LENGTH: 20
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic
87 <400> SEQUENCE: 8
88      ccgtacctcc taaggtcct
90 <210> SEQ ID NO: 9
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Synthetic
96 <400> SEQUENCE: 9
97      cccatagtgc tgtcaciaat
99 <210> SEQ ID NO: 10
100 <211> LENGTH: 20
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 03/10/2003

PATENT APPLICATION: US/09/851,871A

TIME: 15:58:04

Input Set : N:\vernette\US09851871A.raw

Output Set: N:\CRF4\03102003\I851871A.raw

```

103 <220> FEATURE:
104 <223> OTHER INFORMATION: Synthetic
105 <400> SEQUENCE: 10
106         gcacagcagc attcccaagg
108 <210> SEQ ID NO: 11
109 <211> LENGTH: 20
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic
114 <400> SEQUENCE: 11
115         ttgcaaattg gcatggcagg
117 <210> SEQ ID NO: 12
118 <211> LENGTH: 20
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic
123 <400> SEQUENCE: 12
124         tggatatgggc tttactcttt
126 <210> SEQ ID NO: 13
127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Synthetic
132 <400> SEQUENCE: 13
133         aaaaggttgc ccaggaacgg
135 <210> SEQ ID NO: 14
136 <211> LENGTH: 20
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthetic
141 <400> SEQUENCE: 14
142         gggagtccctg gagccccctt
144 <210> SEQ ID NO: 15
145 <211> LENGTH: 20
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic
150 <400> SEQUENCE: 15
151         ccattaagct gggcttggcc
153 <210> SEQ ID NO: 16
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 03/10/2003

PATENT APPLICATION: US/09/851,871A

TIME: 15:58:04

Input Set : N:\vernette\US09851871A.raw

Output Set: N:\CRF4\03102003\I851871A.raw

```

158 <223> OTHER INFORMATION: Synthetic
159 <400> SEQUENCE: 16
160         tgcgagctcc ccgtacctcc                20
162 <210> SEQ ID NO: 17
163 <211> LENGTH: 20
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Synthetic
168 <300> PUBLICATION INFORMATION:
169 <310> PATENT DOC NO: US 5514788
170 <311> PATENT FILING DATE: 1993-05-17
171 <312> PUBLICATION DATE: 1996-05-07
172 <400> SEQUENCE: 17
173         gcccaagctg gcatccgtca                20
175 <210> SEQ ID NO: 18
176 <211> LENGTH: 20
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Synthetic
181 <400> SEQUENCE: 18
182         ggattgccaa gcccatggtg                20
184 <210> SEQ ID NO: 19
185 <211> LENGTH: 20
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic
190 <400> SEQUENCE: 19
191         ctaagtagtg ctagccggga                20
193 <210> SEQ ID NO: 20
194 <211> LENGTH: 38
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Synthetic
199 <400> SEQUENCE: 20
200         gatcagggtg ccccaaagaa aaagtgattt gtcattgc 38
202 <210> SEQ ID NO: 21
203 <211> LENGTH: 35
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Synthetic
208 <400> SEQUENCE: 21
209         gatagcctcg aggataatga attggctgac aagac    35
211 <210> SEQ ID NO: 22
212 <211> LENGTH: 20

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/851,871A

DATE: 03/10/2003

TIME: 15:58:04

Input Set : N:\vernette\US09851871A.raw

Output Set: N:\CRF4\03102003\I851871A.raw

```

213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Synthetic
217 <400> SEQUENCE: 22                                20
218         gggtaagact ccacttctga
220 <210> SEQ ID NO: 23
221 <211> LENGTH: 20
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Synthetic
226 <400> SEQUENCE: 23                                20
227         ggggtctccaa aggttgtgga
229 <210> SEQ ID NO: 24
230 <211> LENGTH: 20
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Synthetic
235 <400> SEQUENCE: 24                                20
236         gttcctgggt ctccaaaggt
238 <210> SEQ ID NO: 25
239 <211> LENGTH: 20
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Synthetic
244 <400> SEQUENCE: 25                                20
245         acacacagag attggagggt
247 <210> SEQ ID NO: 26
248 <211> LENGTH: 20
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Synthetic
253 <400> SEQUENCE: 26                                20
254         gctcacgtag aagaccctcc
256 <210> SEQ ID NO: 27
257 <211> LENGTH: 20
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Synthetic
262 <400> SEQUENCE: 27                                20
263         ggcagggctg atgacaatcc
265 <210> SEQ ID NO: 28
266 <211> LENGTH: 20
267 <212> TYPE: DNA

```

VERIFICATION SUMMARY

DATE: 03/10/2003

PATENT APPLICATION: US/09/851,871A

TIME: 15:58:05

Input Set : N:\vernette\US09851871A.raw

Output Set: N:\CRF4\03102003\I851871A.raw

L:7 M:270 C: Current Application Number differs, Wrong Format